

<b>Function:</b>	Project Engineer (Electronics/RF)
<b>Project/Department:</b>	Engineering

## 1. Needs

With its core activities in the space, aeronautical and industry markets, Active Space Technologies is a well-established engineering company focused on the development, design, manufacturing and validation of electromechanical systems.

From aerospace power electronics to satellite communications, the multiple projects currently running at its Engineering Department are bringing cutting edge technologies to the market, contributing for making the world a better place. Envisioning the growth of the multidisciplinary engineering team, Active Space Technologies seeks an Project Engineer, who is willing to be challenged and develop their skill set within a talented, passionate and cooperative team.

## 2. Duties & Responsibilities

- Researching state-of-the-art technologies;
- Designing digital and analogue electronic circuits;
- SPICE modelling and simulation;
- Developing embedded software for microcontrollers;
- Prototyping and testing electronic systems;
- Producing technical documentation on each step of the development cycle.

## 3. Minimal Requirements:

### 3.1 Academic Qualification

- Higher degree in a relevant engineering field (e.g. Electronics, Aerospace, Physics).

### 3.2 Key Technical Knowledge

- Basic RF Design Knowledge;
- Digital and analogue electronic circuits design;
- SPICE simulations;
- PCB layout design;

### 3.3 Practical Experience

The following expertise is an added value for this position:

- Characterizing and specifying RF systems;
- Selecting and designing RF topologies;
- Analysing, understanding, designing and simulating RF and analogue circuits;
- Operating RF test equipment;
- PCB layout design using Altium Designer;
- Developing embedded software for microcontrollers systems using C;
- Designing for ECSS or aeronautic standards, such as DO-254.

### 3.4 Languages

- English full professional proficiency is added value;
- Portuguese proficiency is added value;
- Any other language skills may be added value.

## 4. Availability

From immediate to 2 month.

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